

# Converting Colors

CIELCh(88, 71.406, 160.221)

Have a look what the booklet for  
CIELCh(88, 71.406, 160.221)  
contains.

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# Color

**CIELCh(88, 71.459, 160.168)**

# Conversions

## Conversions Part 1

Format	Color
Hex	08FBAC
RGB	8, 251, 172
RGB Percent	3%, 98%, 67%
CMY	0.9670, 0.0154, 0.3253
CMYK	0.97, 0.00, 0.31, 0.02
HSL	160°, 97%, 51%
HSV	160°, 97%, 98%
XYZ	42.0718, 72.0653, 50.7490
YIQ	169.3370, -119.4690, -76.0850

# Conversions

## Conversions Part 2

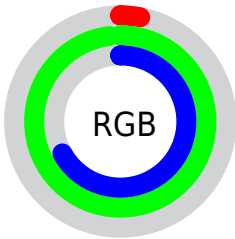
<b>Format</b>	<b>Color</b>
<b>RYB</b>	8, 153, 251
Decimal	588716
CIELab	88.00, -67.22, 24.24
CIELCh	88, 71.459, 160.168
Yxy	72.0653, 0.2552, 0.4371
Android (android.graphics.Color)	4278778796 (0xFF08FBAC)
YUV	169.3370, 1.3129, -141.4925
Hunter-Lab	84.8913, -60.0957, 23.9796

# Details

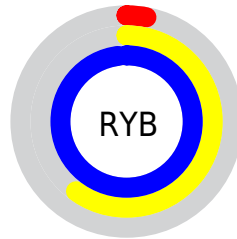
The CIELCh color **88, 71.459, 160.168** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **53, 84.861, 18.089**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 44.227, 178.143**, and **69, 63.531, 155.763** is the 20% darker color. If you saturate the color by 10%, you get **88, 72.636, 159.422**, and if you desaturate by 10%, it is **88, 67.615, 162.360**.

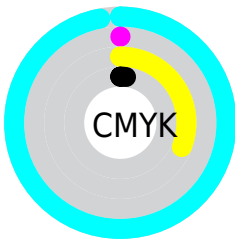
# Distribution



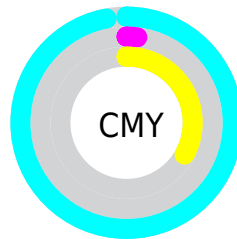
- Red (3%)
- Green (98%)
- Blue (67%)



- Red (3%)
- Yellow (60%)
- Blue (98%)



- Cyan (97%)
- Magenta (0%)
- Yellow (31%)
- Black (2%)




- Cyan (97%)
- Magenta (2%)
- Yellow (33%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 71.459, 160.168 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 88, 71.459, 160.168 by changing the saturation by 10% instead.




 88, 71.459,  
160.168

 88, 71.459,  
160.168

 100, 71.459,  
160.168

 78, 71.459,  
160.168

 68, 71.459,  
160.168

 58, 71.459,  
160.168

 48, 71.459,  
160.168

 38, 71.459,  
160.168


 28, 71.459,  
160.168


 18, 71.459,

160.168

 8, 71.459, 160.168


 0, 71.459, 160.168


 88, 71.459,  
160.168


 88, 71.459,  
160.168

 88, 72.636,  
159.422

 88, 67.615,  
162.360

 89, 62.860,  
164.353

 89, 57.109,  
166.138

 90, 50.380,  
167.729

 91, 42.763,

169.151

■ 92, 34.401,  
170.429

■ 94, 25.455,  
171.590

■ 95, 16.093,  
172.659

■ 97, 6.467, 173.684

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



88, 71.459, 160.168



53, 84.861, 18.089

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 71.459, 160.168



88, 71.459, 210.168



88, 71.459, 340.168



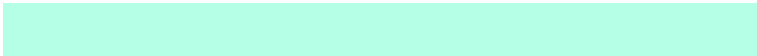
88, 71.459, 30.168

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



88, 71.459, 160.168



95, 27.956, 171.323



88, 112.307, 132.467



50, 19.042, 170.830



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

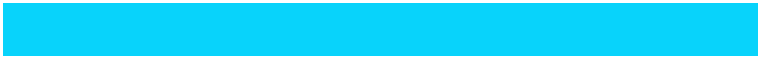
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 71.459, 160.168



89, 73.522, 159.402



78, 42.863, 227.865



51, 5.505, 173.388



68, 58.197, 159.845



22, 25.007, 163.068



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



53, 84.861, 18.089



54, 87.191, 19.996



55, 97.661, 42.064



49, 5.646, 355.057



40, 69.160, 18.856

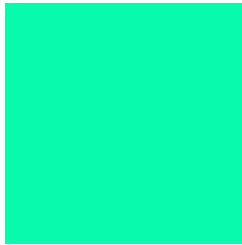


9, 30.505, 10.258



# Previews

## White Background



This preview shows how the CIE LCh color 88, 71.459, 160.168 looks on a white background.

## Color Contrast Check

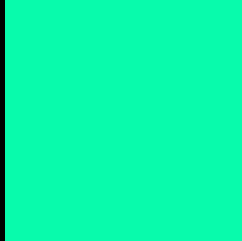
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 88, 71.459, 160.168 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

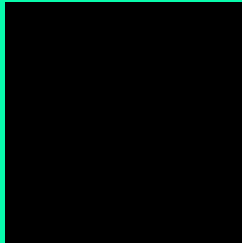
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 88, 71.459, 160.168

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 71.459, 160.168.

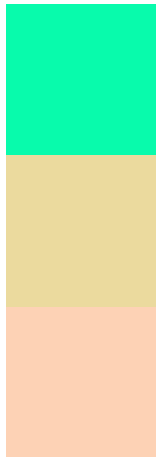


This preview shows how white text looks on a background with the CIELCh color 88, 71.459, 160.168.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

88, 71.459, 160.168

### Protanopia

87, 31.825, 95.189

### Deuteranopia

87, 22.830, 61.306





**Tritanopia**  
88, 35.516, 211.938

# Trichromacy



**Original Color**  
88, 71.459, 160.168



**Protanomaly**  
85, 44.881, 145.655



**Deuteranomaly**  
84, 33.265, 149.525

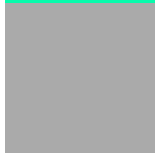


**Tritanomaly**  
88, 46.613, 184.673

# Monochromacy



**Original Color**  
88, 71.459, 160.168



**Achromatopsia**  
70, 0.009, 296.813



**Achromatomaly**  
74, 33.633, 170.060

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 71.459, 160.168 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(8, 251, 172)` looks like.

```
.text, #text, p{  
    color:rgb(8, 251, 172)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(8, 251, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 251, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 71.459, 160.168 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(8, 251, 172) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(8, 251, 172) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(8, 251, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 251, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 251, 172);  
box-shadow:4px 4px 4px 4px rgb(8, 251,  
172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 71.459, 160.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 251, 172) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(8, 251,  
172) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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